

Safety Risk Assessment

- Design Reviews
- Regulatory Compliance

Technical Risk Assessments

- Probable Maximum Loss / Maximum Foreseeable Loss Studies

Risk Management

- Equipment Design Review (Compliance with Maximum Operating Parameters and Regulatory Requirements)
- Pressure Safety Valve Sizing and Flare Analysis
- Electrical Area Classification
- Damage Mechanism Assessment
- Integrity Operating Window Development

Technical Risk Analysis

- Manufacturing Inspections and Supervision
- Quality Assurance Audits

Reliability

- Asset Identification / Asset Walkdowns
- Pandid Redlines Development of MAL
- Development of ACR
- Initiate CMMS
- Data Cleansing and Loading

Risk Management

- Inspection, Testing and Preventive Maintenance Plan Development
- Inspection Data Management System Design and Implementation
- Condition Monitoring Location Optimization

Safety Risk Management

- Safety Studies (HAZOP, HAZID)

Technical Risk Analysis

- Engineering Substantiation of Plant and Equipment
- Civil-Structural Design and Assessment

Reliability

- CMMS Data Remediation

Risk Management

- Aging Asset Life Extension
- Rerate, Repair, Alteration Calculations
- AIM / MI Program Gap Analysis
- Regulatory Requirements Audit

01 | PRE-PLANNING



03 | CONSTRUCTION



05 | DISMANTLING AND RECYCLING



02 | DESIGN AND ENGINEERING



04 | OPERATION AND MAINTENANCE



Safety Risk Analysis

- Safety Studies
- HAZID, HAZOPs

Technical Risk Analysis

- Probabilistic Safety Analyses and Updates
- Independent Review of PSAs
- Risk-Informed Applications
- External Events Analysis and Review
- Design Reviews
- Engineering Substantiation

Cyber Security

- Supply Chain Risk Management
- Cyber Risk Program Management

Reliability

- Design for Reliability / Maintainability

Risk Management

- Third-Party Review (Shop Fabrication and Design Requirement Review)
- QA / QC Document Development or Review
- Positive Material Identification and Confirmation
- Equipment Evaluation (E.g., Prior to Shipment, Post Shipment, Installation)

Safety Risk Analysis

- Incident Investigation
- Training
- HAZOP, HAZID and HAZAN
- Scenario Expected and Upper Loss Analysis (SEL and SUL)
- Probable Maximum Loss (PML) Evaluations

Technical Risk Analysis

- Risk-Informed Applications
- External Events Analysis and Review
- Engineering Substantiation of Plant and Equipment
- Civil / Structural Design and Assessments
- Independent Technical Assessments

Cyber Security

- Remote Monitoring
- Managed Services
- Maturity Assessment
- Incident Response Planning
- Policy Development
- Identity and Access Management
- Penetration Testing
- Whitelisting
- Hardening

Reliability

- PM and SOP Analysis
- Asset Strategy Optimization
- Initiate CMMS
- Data Cleansing and Loading

Risk Management

- AIM Policies, Procedures and Development
- Inspection and Testing Activities
- Inspection and Testing Data / Report Management
- Equipment Deficiency Resolution
- Fitness-for-Service Evaluations

